

USAID/East Africa, REGI Program,

EMP Part 1 of 3: Environmental Verification Form

USAID/East Africa, REGI Program, Award

Date of Screening: _____

Name CAFEC BATEKE- LEFINI
Landscape _____

Funding Period for this award: **FY_FY14-18**__

Current FY Resource Levels: **FY17_949 999.48**__

Name of Prime Implementing
Organization: WCS-RoC _____

This report prepared by:

Name: _____ Date: _____

Name of Sub-awardee Organization (if this EMP is
for a sub): _____

Date of Previous EMP for this organization:
N/A (if any)

Geographic location of USAID-funded activities
(Province, District): Plateau, Pool and
Lefini__

IEE File Name: **CARPE_PHASE III_IEE**

Environmental Threshold Determination:

Indicate which activities your organization is implementing under this funding.

Key Elements of Program/Activities Implemented		Yes	No
1	<ul style="list-style-type: none"> • education, technical assistance or training programs • analyses, studies, academic or research workshops and meetings; • document and information transfers; • Nutrition, REGI care, or family planning services except to the extent designed to include activities directly affecting the environment (such as construction of facilities, water supply systems, and waste water treatment). 	Y	
2	Construction and renovation of facilities	Y	
3	Water Supply and Sanitation		N
4	Improved agricultural production involving seeds supply		N
5	Agricultural research likely to involve GMOs and biotechnology products		N
6	Development Credit Authority (DCA)		

5	Sub grant activities or sub awards or including microfinance or Small and Medium Enterprises (SMEs) or Business Development Services (BDS)	Y	
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EMP Part 2 of 3: Mitigation Plan

I. Land use planning

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
Write the Draft of the OLNP management plan and fire management plan of the National park.	<ol style="list-style-type: none"> 1. Ensure implementation of best practices during park delimitation 2. Secure local community participation and rights 3. Training in fire management Best practices 4. Management plan is developed following consultation and following best practices 5. Decision and plans are supported by scientific data and environmental sound practice. 6. Identify and assure the involvement of all stakeholders 	WCS landscape Leader USFS	<p>Rules and procedures are explained and enforced</p> <p>Prior and Free Informed Consent (PFIC)</p> <p>Number and % of people aware of fire management plan</p> <p>Number of people trained.</p> <p>Stakeholders identified and involved.</p>	<p>Activity reports and maps</p> <p>Signed PFIC documents</p> <p>Approved Fire management Plan</p> <p>Activity reports</p> <p>Draft of management plan survey</p>	<p>WCS, MEF, TAF, USFS</p> <p>Timing: monthly, semi-annual, annual</p> <p>Fire Management plan approved</p> <p>Draft of Management Plan for the future park</p>

II. I. SMALL SCALE CONSTRUCTION/ RENOVATION AT LÉSIO-LOUNA

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
Construction permits	<p>7. All necessary (if required) construction permits will be obtained- building permits, completion and building occupation certificates, etc</p> <p>8. Competent professionals will be retained in designing, and supervising the construction projects – Architect, structural engineers, qualified contractor, etc</p>	TAF Coordinator WCS Landscape Leader	Necessary permits (if required) obtained Professionals contractors engaged	Permits in file (if required) Copies of contracts	TAF Timing: Before starting the activity
Erosion and Solid Waste Management	<p>Material and dirt piles will always be covered</p> <p>Construction activities will be undertaken during the dry season and so the likelihood of surface runoff will be lower</p> <p>Contractor will ensure all the soil is compacted before commissioning any structure</p>	Contractor Construction supervisor	<p>Absence of uncovered dirt pile on the site.</p> <p>Minimal soil erosion during construction/renovation</p> <p>0% erosion due to an inappropriate vegetation clearance.</p> <p>No excess of water</p>	Photographs Site visit.	<p>TAF officer WCS Landscape lead</p> <p>Timing</p> <p>Before site levelling, after site levelling/ compacting, after completion of the renovation labors</p>

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
	<p>The proposed construction sites will not be too steep (site sloped at greater than 15 degrees) as to trigger massive erosion and the site is not within a permanent or seasonal stream or water body Clearance of vegetation will be minimize</p> <p>Water collectors will be built on roads sides to avoid waters run offs</p>		<p>runoff due to the construction.</p> <p>The chosen site is not within 30m of a permanent or seasonal stream or water body and not too steep.</p>		
	<p>The contractor will designate a waste storage at the site</p> <p>The Contractor will continue recycling waste generated from the site such as use of discarded materials for leveling of the ground and filling of trenches, etc.</p>	Project manager Supervisor Construction supervisor	<p>Appropriate waste handling method established</p> <p>Waste recycling practiced</p>	<p>Presence on site of the waste bins, recycle bins or a designated area where material for reuse will be stored and covered until reuse.</p>	<p>TAF officer WCS Landscape lead</p> <p>Timing Daily, during the construction stage</p>
Sourcing of materials	<p>Burnt bricks burnt with unsustainably sourced wood for fire will not be used as a construction material</p> <p>All materials will be procured from authorized sources.</p>	Project Manager Contractor	<p>Burnt bricks burnt with unsustainably sourced wood for fire not used in construction</p> <p>materials used are from ecologically safe</p>	<p>Project Reports and receipt of procurement of brick .</p> <p>Site visit</p>	<p>TAF officer WCS Landscape Lead</p> <p>Timing Before beginning of construction or renovation, thereafter weekly until</p>

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
			construction source	Procurement receipt	completion., During construction
Occupational safety concerns arising from the construction activity	<p>ARC will ensure the contractor complies with the USAID Environmental Guidelines for Construction¹</p> <p>The contractor will provide PPEs including hardhats, footwear, dust mask , safety glasses and reflective vests</p> <p>Contractor will sensitize workers on the use of PPEs</p>	Contractor Construction supervisor TAF project manager	<p>Zero accident incidences/accidents at the site due to absence of PPE</p> <p>Use of PPE at the site Worker sensitized on site safety and PPE</p>	Incidence, accident, report book. Presence list for training on PPE and distribution list of PPE Site visit	TAF officer Timing From the beginning of works and at each stage of construction require a PPE.
	<p>The contractor will provide a first aid kit and train selected workers on the use of the kit on site prior to commencement of the work</p> <p>Contractor will provide drinking water, latrine and a handwashing station</p>		<p>First Aid Kit, drinking water, latrine and handwashing station provided</p> <p>Workers don't suffer from drinking water related disease during construction period.</p> <p>First aid Kit provided and available on site.</p>		

¹ ENCAP

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
			Worker are trained on the first aid kit use		
	Contactor will mark the site boundaries and control access, put up safety signs Contactor will provide solid scaffolds which meet the criteria by USAID guidelines	Contactor Construction supervisor	Site boundaries marked, and access is limited to authorized person Workers provided with an appropriate scaffold	Project report Entrance point. Entrance List. Scaffold distribution list	TAF Report <i>Timing</i> At the beginning and throughout all construction stages. Prior to construction
Standing water and breeding habitat for disease vectors	Carry out landscaping upon completion of works	Project manager Engineer	Landscaping was carried out	Photos Site analysis report	TAF officer <i>Timing</i> Within three months after construction works are completed
	Construction of drainage canals and infiltration pits within the building perimeter for safe evacuation of storm water and prevention of soil erosion	TAF Project Manager TAF water Specialist TAF WASH Advisor	Roof equipped with gutters, Water drained and channeled/ piped from premises into natural water flows or infiltration pits of sufficient capacity.	Facility design, photographs. Maintenance records	TAF Officer <i>Timing:</i> <i>During construction, after construction and quarterly thereafter</i>

II. Natural resource-based microenterprise

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
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Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
Support for beekeeping as an additional alternative revenue generating activity	<p>Monitoring of hives locations (mapping already in place in our program)</p> <p>Training in environmental best practices for bee-keepers</p> <p>Ensure sourcing of material from sustainable sources</p> <p>Control and prevent use of chemical (to combat pests)</p> <p>No pesticide can be used without prior approval of a SUAP (Safer Use Action Plan) by USAID.</p> <p>Provide support in health and safety, including hygiene in honey manipulation , transport and commercialization</p>	WCS Coordinator of socio-economical activities	<p>Number of beekeepers using pesticides</p> <p>Number of people trained</p> <p>Training curricula</p> <p>Number and percentage of beekeepers using pesticides</p> <p>Number of people trained</p> <p>Number of training held</p> <p>No pesticide is used prior to the SUAP approval by USAID.</p>	<p>Maps of hives and photos</p> <p>Training reports</p> <p>Training module</p> <p>Attendance sheet</p>	<p>WCS Landscape Leader and Bateke Coordinator of socio-economical activities</p> <p>Before and after training</p> <p>Site visit twice a year</p>

III. Small-scale local fish farming at Bambama and Zanaga

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
Small-scale local fish farming at Bambama and Zanaga	<p>Training in fish farming best practices and general environment protection principles</p> <p>Support conditional to the respect of sustainable practices</p> <p>Pollutions to the ponds is prevented by: promoting regulations and community oversight to limit and monitor discharge into the environment;</p> <p>Control of ponds location and of access to water courses</p>	Initiative Development project Manager	<p>Number of fish farmers trained</p> <p>Number of fish farmers receiving support</p> <p>Number of incident regulated by local communities</p> <p>Ponds location</p>	<p>Project reports</p> <p>Training reports</p> <p>Training modules</p> <p>Site visits at fish pond locations/Photos</p>	WCS and ID Timing: prior and during pond installation; weekly and monthly monitoring

IV. Sustainable agriculture, energy and livelihood alternatives

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
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Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
Sustainable agriculture, energy and livelihood alternatives	<p>Training in organic farming and production and use of bio-pesticides and fertilizers;</p> <p>Use of appropriate native plant and tree species and; Educate farmers so that they value wild and traditional plant and animal species</p> <p>- Discuss with the beneficiaries to know the practices used and possible improvements</p> <p>- Use the beneficiaries as a model to test demonstration farm before spreading in the other sites.</p> <p>- Promote sustainable</p>	Initiative Development Project Manager	<p>Number of farmers trained</p> <p>Numbers of supported farmers</p> <p>Number of farmers respecting sustainable and organic farming principles</p>	<p>Project reports;</p> <p>Photos</p> <p>Training reports</p>	<p>WCS, TAF and ID</p> <p>Timing: daily prior and during crop or agroforestry planation installation; weekly and monthly monitoring</p>
			<p>Number of meetings held</p> <p>Presence of demonstration field</p> <p>Number and quality of</p>		

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
	<p>agriculture technique and train farmer on these techniques such as: Rotate crops, allow land to lie fallow, intercrop with legumes or other nitrogen-fixing species, practice low-tillage farming, combine crop and tree production (agroforestry) ...</p> <p>- Select seeds: varieties adapted in the zone</p> <p>Seed will be procured from a certified provider.</p> <ul style="list-style-type: none"> - New seed varieties and other farm inputs will be piloted on a pilot site to monitor impacts. - Just authorized seed from a certified provider will be used - The project will train and sensitizing farmers on the use of agrochemicals and improved technologies - 		<p>people involved</p> <p>100% of farm model have been tested in demonstration farm before being spread on other sites.</p> <p>- Certificate of seeds used</p> <p>- 100% of seeds used are from a certified provider.</p> <p>- New farm inputs piloted</p> <p>- -0% of invasive species case reported.</p> <p>- the reporting system;</p>	<p>Activity Report</p> <p>Photographs of pilot sites</p> <p>Meeting note</p> <p>Sites visit</p> <p>Demonstration farm report.</p>	<p>Landscape leader</p> <p>Timing: before the beginning of the agricultural season</p>
				List of seeds used Procurement receipt	<p>CBRM Officer</p> <p>Timing: before the beginning of the agricultural season</p>
				<p>Piloting report</p> <p>Monitoring schedule</p> <p>Seed procurement receipt.</p>	<p><i>Timing:</i> as proposed in the monitoring plan</p>

Activity	Specific mitigation actions to implement the condition	Person in Charge	Performance Monitoring Indicator	Means of Verification	Responsible party & Timing
	<ul style="list-style-type: none"> - The Project will support farmers to develop a pest and disease monitoring system and report to the governmental body in charge (DD agriculture) - 		Number of diseases reported Number of training held Pest monitoring plan developed and implemented	Training Module, Attendance sheet Monitoring plan	<i>Timing:</i> At the onset of the planting season
	No pesticide will be use without a prior approval of a SUAP(Safer Use Action Plan) by USAID in accord with the DRC PERSUAP recommendation				

USAID/East Africa, REGI Program,

EMP part 3 of 3: Reporting form

List each Mitigation Measure from column 3 in the EMP Mitigation Plan (EMP Part 2 of 3)	Status of Mitigating Measures	List any outstanding issues relating to required conditions	Remarks

Certification

I certify the completeness and the accuracy of the mitigation and monitoring plan described above for which I am responsible and its compliance with the IEE:

Signature

April 22, 2018_____
Date

Omari Ilambu
Print Name

WCS

Organization

Organization

BELOW THIS LINE FOR USAID USE ONLY

USAID/East Africa, REGI Program, Clearance of EMP:

Contracting/Agreement Officer Technical Representative:_____
Date: _____

Mission Environmental Officer: _____
Date: _____

As appropriate: REA, BEO [depending on nature of activity, which potentially may require an EA]

Note: if clearance is denied, comments must be provided to applicant